

# 3-5 Skills Practice

## Proving Lines Parallel

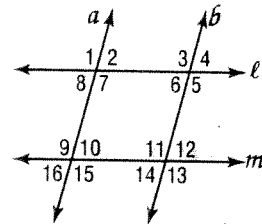
Given the following information, determine which lines, if any, are parallel. State the postulate or theorem that justifies your answer.

1.  $\angle 3 \cong \angle 7$

2.  $\angle 9 \cong \angle 11$

3.  $\angle 2 \cong \angle 16$

4.  $m\angle 5 + m\angle 12 = 180$



Find  $x$  so that  $\ell \parallel m$ . Show your work.

